Operating Instructions

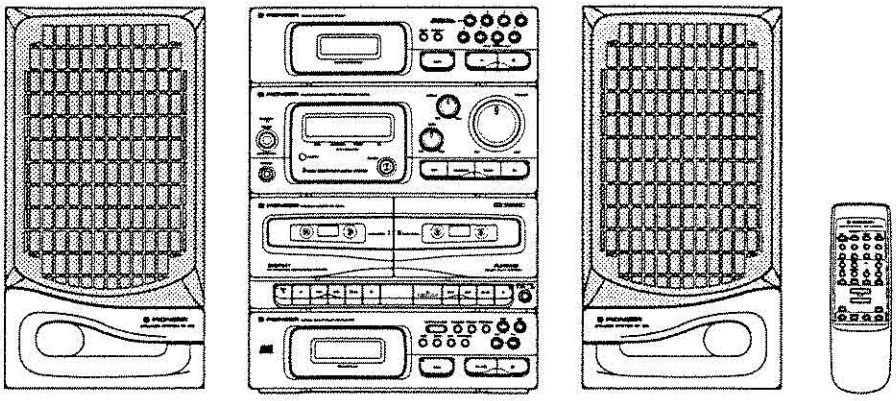
STEREO DOUBLE DECK CD RECEIVER

XR-P240C

SPEAKER SYSTEM

S-P240

COMPACT disc DIGITAL AUDIO



Thank you for buying this PIONEER product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSERESS A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

IMPORTANT NOTICE
[For U.S. and Canadian models]
The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

PIONEER
The Art of Entertainment

IMPORTANT

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor of the distribution panel should be provided with 3 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE
After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost, replacement fuse covers can be obtained from your dealer.
Only 3 A fuses approved by B.S.I. or A.S.T.A. to B.S. 1362 should be used.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The safety and operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC — NATIONAL ELECTRIC CODE

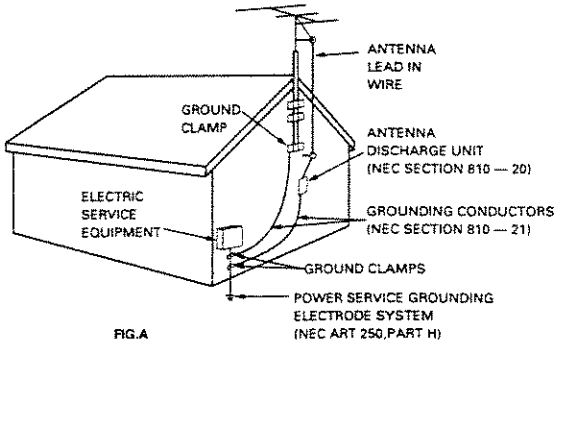


FIG.A

[For Canadian model]
This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

[FOR U.S. AND MULTI-VOLTAGE MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

[FOR U.K. MODELS]

CAUTION
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your player.

Location: rear of the player

CLASS 1
LASER PRODUCT

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

Information to user
Alteration or modifications carried out without appropriate authorization may invalidate the users right to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

CONTENTS

CAUTIONS REGARDING HANDLING 5
CONFIRM SUPPLIED ACCESSORIES 5
INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT 5
REMOTE CONTROL OPERATIONS 5
CONNECTIONS 6
FRONT PANEL FACILITIES 8
TUNING INTO STATIONS 12
MEMORIZING STATIONS 13
CAUTIONS REGARDING COMPACT DISC HANDLING 14
HOW TO HANDLE CASSETTE TAPES 14
LISTENING TO COMPACT DISCS 15
TO PLAY ONLY DESIRED TRACKS ON CD 17
PLAYING TAPES 18
RECORDING 19
MAINTENANCE 21
TROUBLESHOOTING 22
SPECIFICATIONS ..... Back cover

REMOVAL OF PROTECTION CLAMPS

- Before using the CD player, be sure to perform the following procedure:

1. **Remove the tape fixed to both sides of the CD player.**
2. **Pull out the caution card and the CD tray will open.**
3. **When CD tray opens, you will see two red transit protection clamps secured in the left and right tray. Remove the red transit protection clamps and the CD player is ready for use.**

NOTES:

- *Do not resecure the protection clamps each time you use the CD player.*
- *Always resecure the protection clamps and remove the CDs from the player before moving the unit.*

CAUTIONS REGARDING HANDLING

PRECAUTIONS REGARDING INSTALLATION

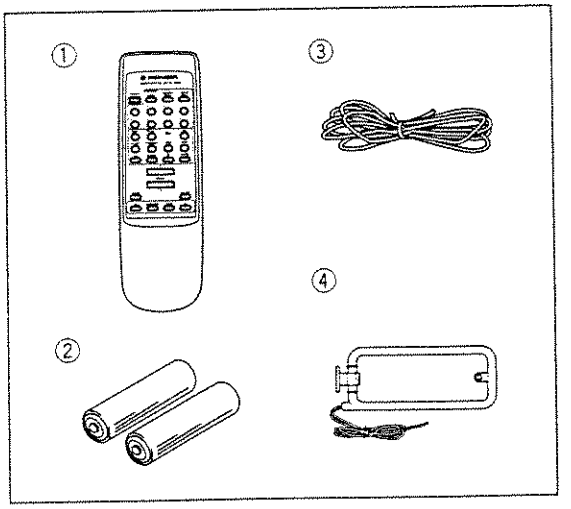
Install the unit in a well-ventilated location where it will not be exposed to high temperatures or humidity.

- Please place this unit on a level surface.
- Avoid damp or dusty environments.
- Placing and using the unit for long periods on heat-generating sources will affect performance. Avoid locating the unit near heaters or in direct sunlight.
- Avoid locations exposed to steam or oily smoke (e.g., from cooking), or in locations exposed to heat.
- Install the unit as far away as possible from your TV. Installation in close proximity to such equipment may cause noise or degradation of the picture.
- Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the unit.

CONDENSATION

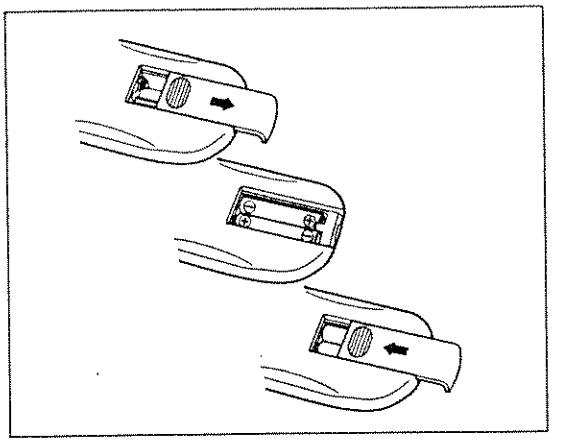
When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. To prevent this, allow the unit to stand for about an hour before switching it on, or ensure that the room temperature rises gradually.

CONFIRM SUPPLIED ACCESSORIES



① Remote control unit × 1
② AA/R6P dry cell batteries × 2
③ FM antenna × 1
④ AM loop antenna × 1

INSERTING BATTERIES INTO THE REMOTE CONTROL UNIT



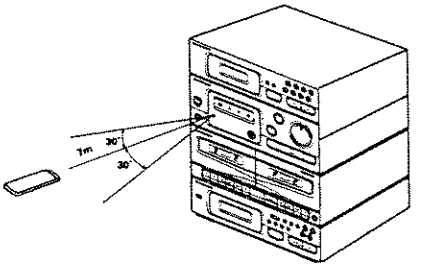
Open the battery compartment cover on the back of the remote control unit.
Insert size AA/R6P dry cell batteries into the battery compartment in accordance with the indications (⊕, ⊖) inside the compartment.
Close the cover of the battery case.

Incorrect use of batteries may cause leakage or rupture.
Always be sure to follow these guidelines:

A. Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖ polarities, as shown by the display inside the compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.

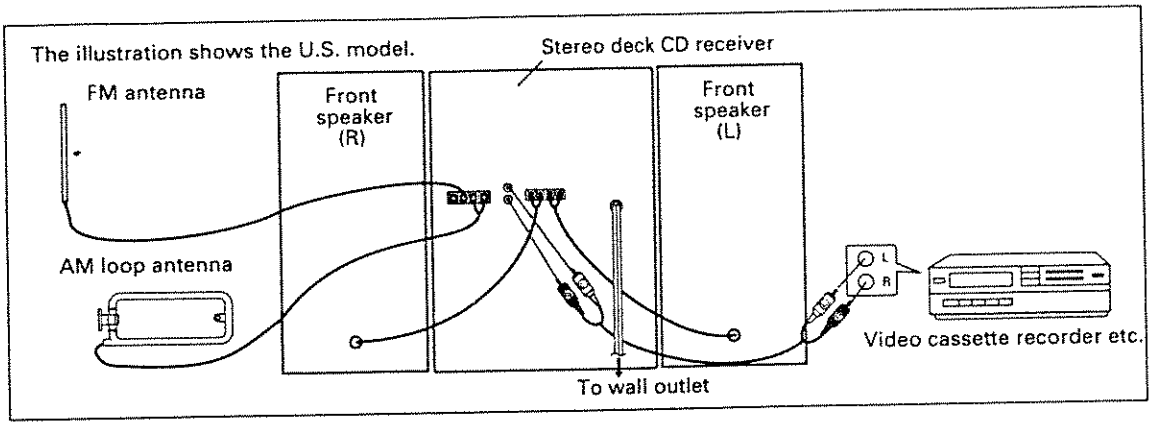
REMOTE CONTROL OPERATIONS

The remote control unit can be used within a range of approx. 7 meters (23 feet) from the remote sensor, and within angles of up to approx. 30 degrees.



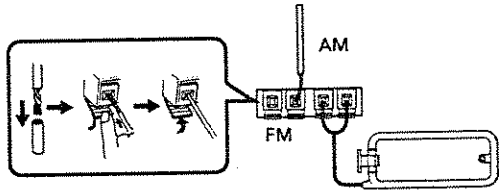
NOTE:
If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

CONNECTIONS



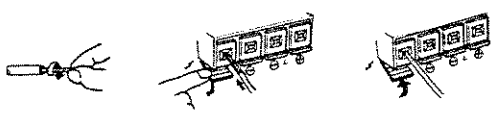
- Plug the power cord into the AC wall outlet only after all the connections have been completed.
- Be sure to connect an antenna. If you do not, broadcast signal reception will not be possible.

1. **Assemble AM loop antenna.**
   - To permanently fix the antenna, screw the leg to a wall or other high location before assembling.
2. **Connect AM loop antenna and FM antenna to the unit's antenna terminals.**



3. **Connect the speaker cords to the SPEAKERS terminals.**
   Connect the cords marked with a white line to the "+" (red) terminals and the other cords to the "–" (black) terminals.

① Twist the wire strands. **② Push the tab and insert the cord into the terminal.** **③ Release the tab. Make sure that the speaker cord is connected to the terminal securely.**



NOTE:
Do not allow the conductors of the cords to project out of the terminals or to come into contact with other conductors. A breakdown or failure may occur when conductors touch.

Speaker impedance
Connect speaker systems with a nominal impedance ranging from 8 Ω to 16 Ω.

When mounting the speaker system on a wall
- Use the hole located on the rear panel of the speaker to mount it on a wall. Make sure the speakers are securely mounted on the wall so they will not fall.
- Check that the wall is strong enough to hang the speakers on. PIONEER disclaims any responsibility for damages due to the speakers dropping and other accidents, which are caused by improper installation.
- No screws, or other fittings are supplied to mount the speakers on the wall.

Precautions for the S-P240
- **Do not connect to any amplifier other than the one supplied with this system. Connection to any other amplifier may in rare cases result in smoke or fire.**
- Be careful not to block the port opening on the front panel of the speaker.

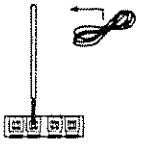
4. **When using a VCR etc., connect the output cord to the AUX/VIDEO input jacks.**
5. **Finally, plug the power cord into the AC wall outlet.**

NOTE:
Insert the plugs securely into the jacks. Improper connection can lead to sound distortion or malfunction.

ANTENNA CONNECTIONS

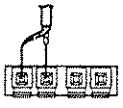
Radio reception is not possible unless the antenna is properly connected.
Proper antenna installation is vital to good reception.

FM ANTENNA
Stretch the antenna and affix it to a wall, etc.



External FM antenna installation
Use an external antenna when the signals from stations are weak and cannot be picked up by the accessory FM antenna, or when the sound heard is accompanied by large amounts of noise.

When the connecting cable is a 75 Ω coaxial cable.
Connect a 75Ω coaxial cable.



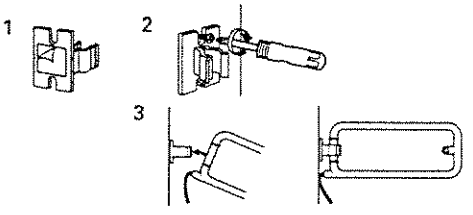
Connect the shielded wire to GND (ground).

AM ANTENNA
The antenna should be placed at a distance from the deck CD receiver, and should not be allowed to touch metallic objects. Avoid placing it near CD players, personal computers, television sets, and other devices generating radio frequencies.

- Place the antenna on a level surface and rotate it to find the orientation that yields the best reception.

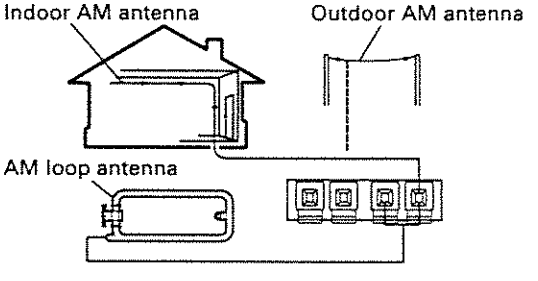
To attach the antenna to a wall, etc.

1. Peel the backing from the two-sided tape and affix to a wall, post, etc.
2. Fasten with screws (The screws are not provided with the unit).
3. Fix antenna.



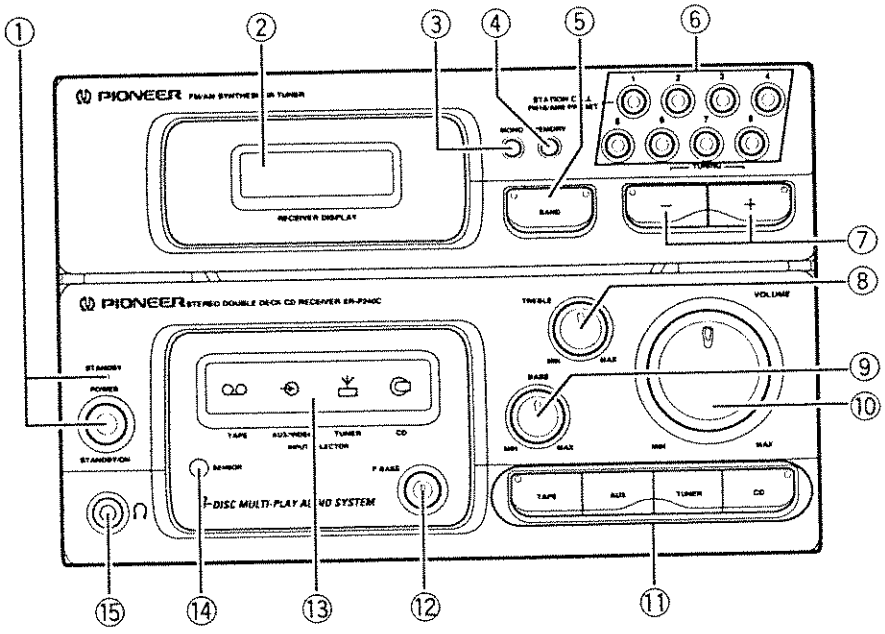
External AM antenna
Indoor AM antenna:
Provide a vinyl-coated wire (5 to 6 meters long). Secure one end to the AM terminal and the other end to a wall or other high location.
Outdoor AM antenna:
If reception is still poor even when a lead antenna has been fully extended indoors, stretch out a vinyl-coated wire and secure it outdoors.

NOTE:
Do not detach the AM loop antenna when using the external AM antenna.



FRONT PANEL FACILITIES

RECEIVER SECTION



RECEIVER SECTION

① POWER switch/STANDBY indicator
This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.

② RECEIVER DISPLAY

③ MONO button (p.12)

④ MEMORY button (p.13)

⑤ BAND button (p.12 ~ 13)

⑥ STATION CALL FM (16)/AM (8) PRESET buttons (p.12 ~ 13)

⑦ TUNING –(down)/+(up) buttons (p.12 ~ 13)

⑧ TREBLE control
Use to adjust treble (high-frequency) emphasis; turn toward the MAX side to boost treble sound, and toward the MIN side to decrease treble sound.

⑨ BASS control
Use to adjust bass (low-frequency) emphasis; turn toward the MAX side to boost bass sound, and toward the MIN side to decrease bass sound.

⑩ VOLUME control

⑪ Input selector buttons (TUNER, TAPE, CD, AUX/VIDEO)
Select the desired function before performing other operations.

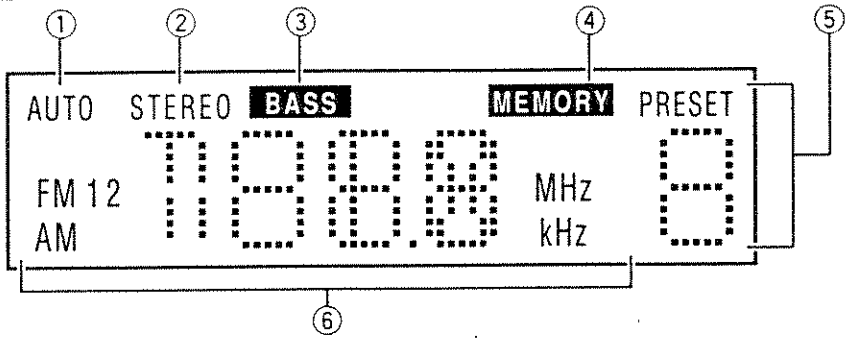
⑫ P. BASS switch/indicator
Set to ON to produce powerfully enhanced bass sound.

⑬ Input selector indicators

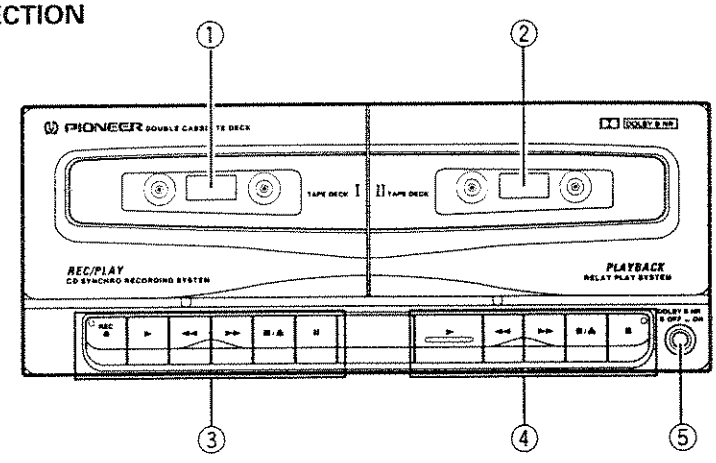
⑭ Remote control SENSOR

⑮ Headphone jack (PHONES)

RECEIVER DISPLAY



TAPE DECK SECTION



RECEIVER DISPLAY

① **AUTO indicator**
The AUTO indicator turns off in the FM MONO mode.

② **STEREO indicator**
Lights during reception of stereo broadcast.

③ **BASS indicator**
Lights when the P. BASS function is ON.

④ **MEMORY indicator**
Lights when the memory button is pressed during the manual preset operation.

⑤ **Preset number display**
When manual preset operation is used, the preset station number is displayed here.

⑥ **Frequency display**
Tuned frequency is displayed.

TAPE DECK SECTION

① **DECK I cassette door**

② **DECK II cassette door**

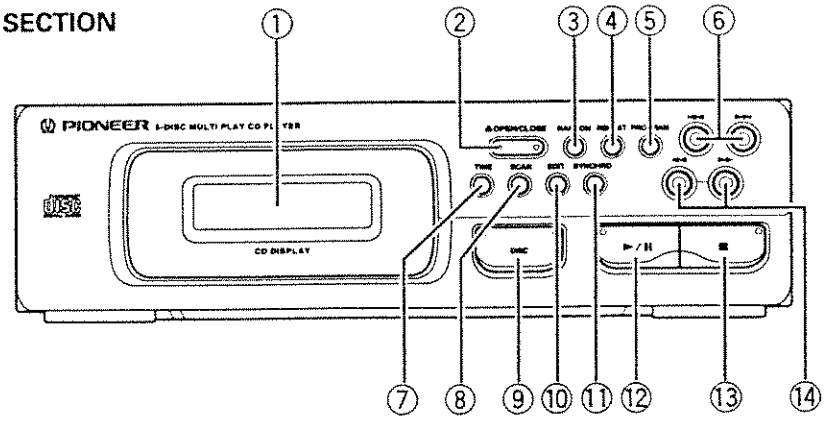
③ **DECK I operation switches (RECORD ●, Play ►, Fast ◄◄ ►►, Stop/Eject ■/≙, Pause II) (p.18 ~ 21)**

④ **DECK II operation switches (Play ►, Fast ◄◄ ►►, Stop/Eject ■/≙, Pause II) (p.18 ~ 21)**

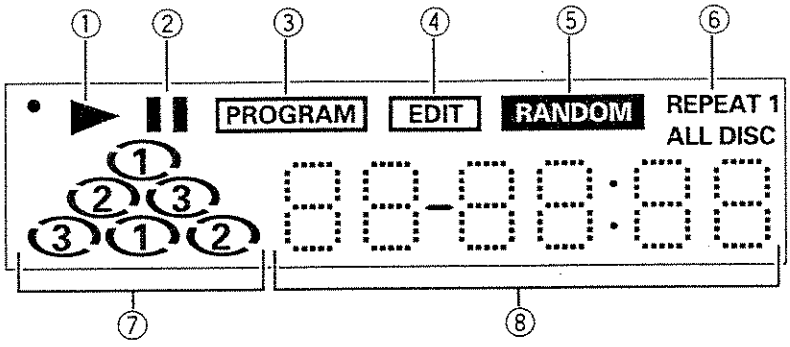
⑤ **DOLBY*NR switch (▮ OFF ▁ ON) (U.S. and Canadian models only)**

*
- *Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.*
- *"DOLBY" and the double-D symbol ◻◻ are trademarks of Dolby Laboratories Licensing Corporation.*

CD PLAYER SECTION



CD DISPLAY



CD PLAYER SECTION

① **CD DISPLAY**
② **OPEN/CLOSE button (⏏)**
③ **RANDOM button (p.16)**
④ **REPEAT button (p.16)**
⑤ **PROGRAM button (p.17)**
⑥ **Track search buttons (⏮ ⏭) (p.16)**
⑦ **TIME button (p.16)**
⑧ **SCAN button (p.16)**
⑨ **DISC button (p.16)**
⑩ **EDIT button (p.20)**
⑪ **SYNCHRO button (p.20)**
⑫ **Play/Pause button (►/II)**
⑬ **Stop button (■)**
⑭ **Manual search buttons (◄◄ ►►) (p.16)**

CD DISPLAY

① **Play indicator (►)**
Lights when playing a CD.

② **Pause indicator (II)**
Lights during pause mode.

③ **PROGRAM indicator**
Lights during program mode.

④ **EDIT indicator**
Lights when EDIT recording is performed.

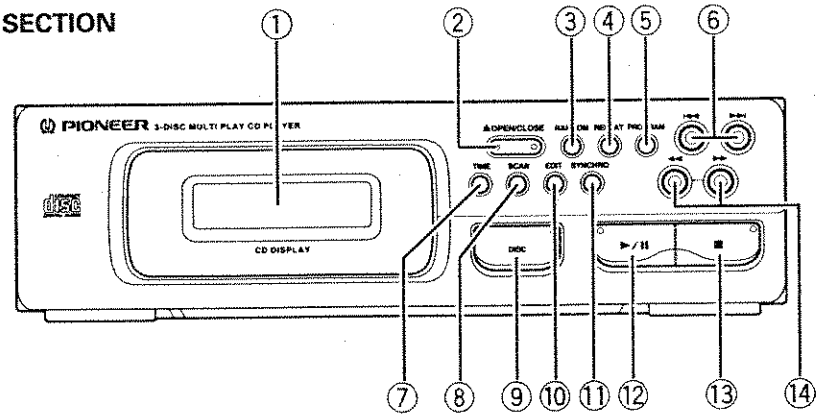
⑤ **RANDOM indicator**
Lights during random playback.

⑥ **REPEAT indicator**
Lights during repeat playback.

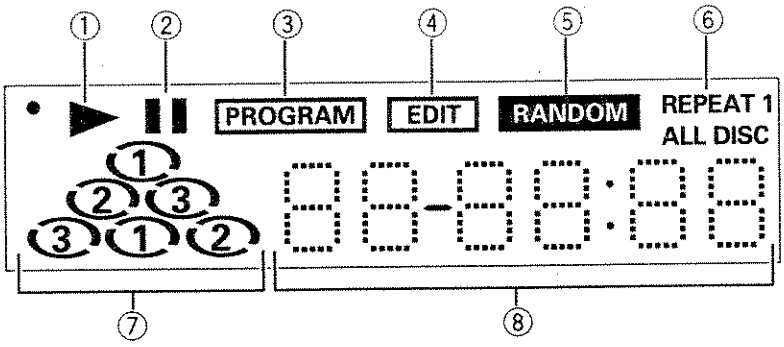
⑦ **Disc tray number indicator**
Lights when function is set to CD. The currently playing disc number flashes.

⑧ **Track number/time display**
Displays track number and playback time, etc.

CD PLAYER SECTION



CD DISPLAY



CD PLAYER SECTION

① **CD DISPLAY**
② **OPEN/CLOSE button (⏏)**
③ **RANDOM button (p.16)**
④ **REPEAT button (p.16)**
⑤ **PROGRAM button (p.17)**
⑥ **Track search buttons (⏮ ⏭) (p.16)**
⑦ **TIME button (p.16)**
⑧ **SCAN button (p.16)**
⑨ **DISC button (p.16)**
⑩ **EDIT button (p.20)**
⑪ **SYNCHRO button (p.20)**
⑫ **Play/Pause button (►/II)**
⑬ **Stop button (■)**
⑭ **Manual search buttons (◄◄ ►►) (p.16)**

CD DISPLAY

① **Play indicator (►)**
Lights when playing a CD.

② **Pause indicator (II)**
Lights during pause mode.

③ **PROGRAM indicator**
Lights during program mode.

④ **EDIT indicator**
Lights when EDIT recording is performed.

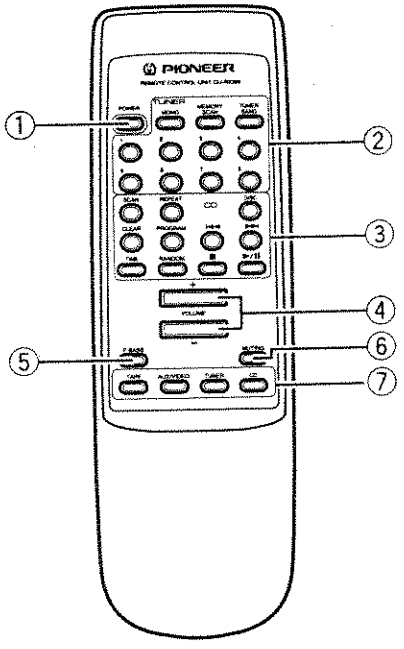
⑤ **RANDOM indicator**
Lights during random playback.

⑥ **REPEAT indicator**
Lights during repeat playback.

⑦ **Disc tray number indicator**
Lights when function is set to CD. The currently playing disc number flashes.

⑧ **Track number/time display**
Displays track number and playback time, etc.

REMOTE CONTROL UNIT



REMOTE CONTROL UNIT

① **POWER button**

② **TUNER operation buttons**

MONO: During reception of FM stereo broadcasts, use to switch between stereo and monaural reception.

MEMORY SCAN: See page 13.

TUNER BAND: Use to switch between FM and AM bands.

1-8: Preset station-call buttons.

③ **CD operation buttons**

SCAN: Intro scan

REPEAT: Repeat playback

DISC: Disc No. selection

CLEAR: Use to erase the track program.

PROGRAM: Set to track programming mode.

I◄◄ , ►►I: Track search

TIME: Select time display mode.

RANDOM: Random playback

■: Stop

►/II: Play/Pause

④ **VOLUME –/+ button**

⑤ **P. BASS button**

⑥ **MUTING button**

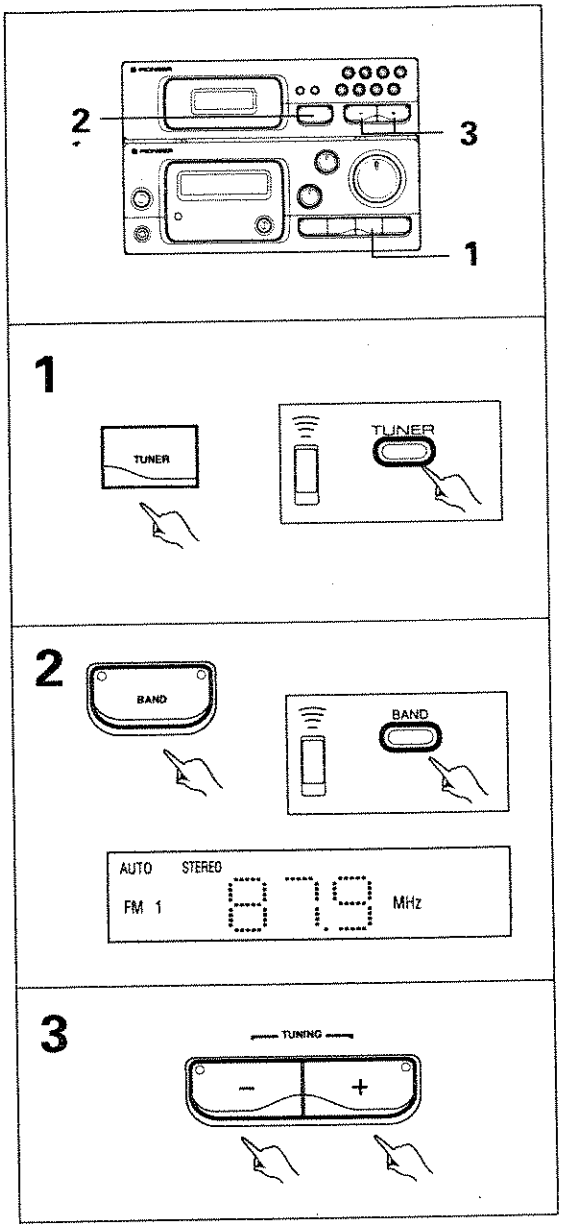
Press to temporarily cut off sound. Press again (or VOLUME button) to restore sound to its original volume.

⑦ **Input selector buttons (TAPE, AUX/VIDEO, TUNER, CD)**

ently play-

, etc.

TUNING INTO STATIONS



Operations indicated by the [] mark are performed with the remote control unit.

- Broadcast reception is not possible unless an antenna is connected, so be sure to connect one.

1. **Press the input selector TUNER button.**
2. **Select the radio band with the BAND button.**
   "AM", "FM1" or "FM2" indicator will light.
3. **Press the TUNING UP (+) button for higher frequencies or the TUNING DOWN (–) button for lower frequencies.**

[Auto tuning]
Press TUNING "–" or "+" button until the frequency starts to change, then release it.
The tuner will automatically search for a broadcasting station, and stop when one is found.
- To interrupt auto tuning, press TUNING (–/+) buttons again.

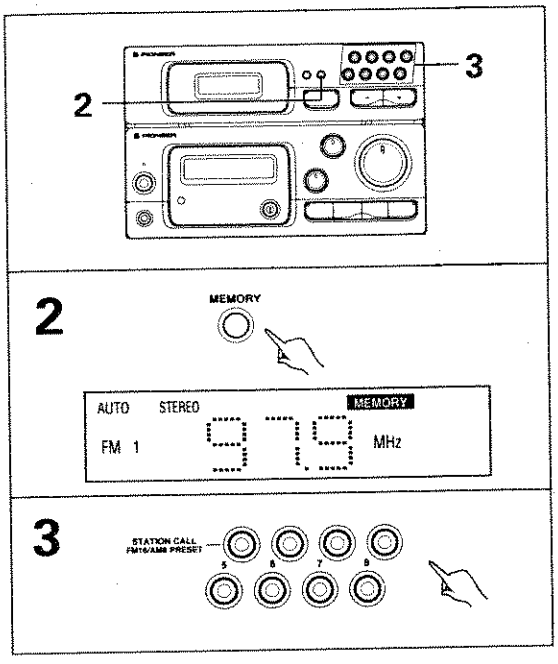
NOTE:
When auto tuning is in use, reception may not be possible for distant stations or when signals are weak. At these times manual tuning is recommended.

[Manual tuning]
Press TUNING "–" or "+" button and release quickly.
The tuning frequency will change by one step each time the button is pressed.
- If you keep the TUNING (–,+) buttons depressed after the frequency has begun to change, the reception frequency changes continuously, and stops when the button is released.

MONO button
During FM reception: Switches between stereo and monaural modes when listening to a stereo broadcast. If there is a lot of noise in the stereo position, switch to MONO and the noise will be suppressed.

Last station memory
The last received AM and FM stations remain stored regardless of function and/or POWER switching.
The last memory function will be canceled if the power cord is disconnected or if a power failure occurs.

MEMORIZING STATIONS



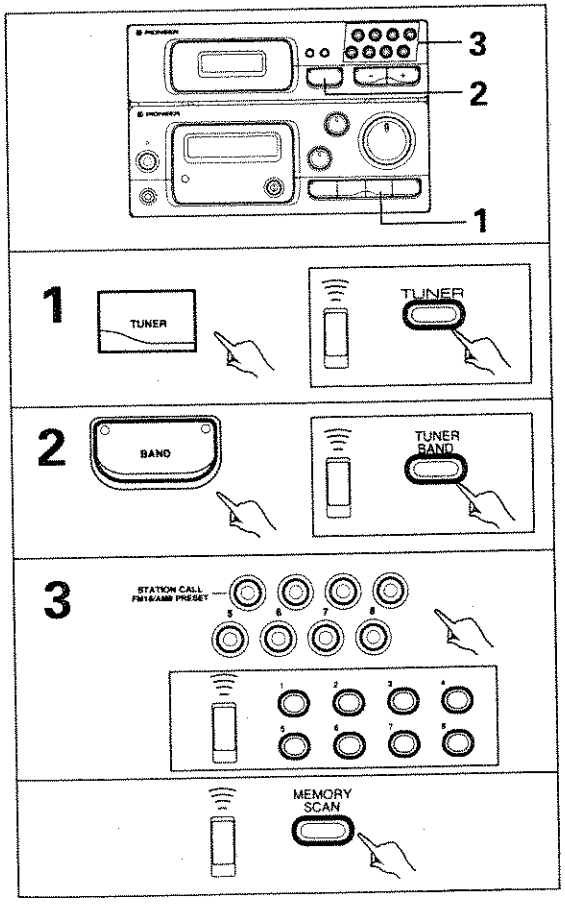
PRESETTING

- Up to 16 FM and 8 AM stations can be memorized. (Up to 8 stations can be memorized as AM, 8 stations as FM1, and 8 stations as FM2).

1. **Tune in the desired station (See page 12).**
2. **Press the MEMORY button.**
   "MEMORY" indicator will light.
3. **Within five seconds, press the station number button into which you wish to memorize the station.**

NOTES:

- *The memorized stations will not be erased when the power is set to standby. The memory contents will also remain for several days if the power cord is disconnected or in event of a power failure. If the memory is erased, use the above procedures to reenter the desired stations.*
- *Storing a station in memory automatically erases any station previously stored under the selected preset number.*
- *For band selection, there is no difference between FM1 and FM2. For station memory presets, 8 presets can be stored in FM1 and another 8 presets in FM2.*



STATION CALL

1. **Press the input selector TUNER button.**
2. **Select the band range with the BAND button.**
   "AM", "FM1" or "FM2" indicator will light.
3. **Select a number between 1 and 8.**
   The preset number, frequency and band (AM, FM1 or FM2) indicator will light.

SCANNING MEMORIZED STATIONS

Station call can also be performed by using the remote control unit's MEMORY SCAN button. When the MEMORY SCAN button is pressed, preset stations are automatically called one by one, for a period of several seconds each. When you hear the station you wish to listen to, press the MEMORY SCAN button once again while the station is being received; the scan function will stop and the unit will continue receiving the current station.

CAUTIONS REGARDING COMPACT DISC HANDLING

CARE OF DISCS

- When holding discs, do not touch their signal surfaces.
- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the disc.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

STORING DISCS

- Always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures.
- Always read and abide by the precautionary notes listed on disc labels.

CLEANING DISCS

- Fingerprints or smudges on the surface of a disc will not directly affect the recorded signals. Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.
- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently. Remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.

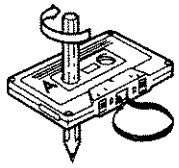
CD LENS CLEANER

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, consult your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

HOW TO HANDLE CASSETTE TAPES

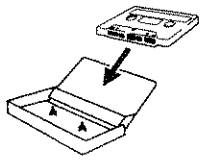
Is the tape loose, or is some of the tape sticking out of the cassette?

This will damage the tape itself. To remove the slack, insert a pencil into the spool and gently wind it.



Safekeeping

Put the cassette tape back into its case and store it in a location not exposed to magnetic fields, humidity, dust, or oil.



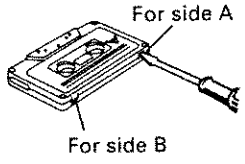
TIPS ON USING CASSETTE TAPES

- Leader tape (which does not allow sound to be recorded over it) is provided at the beginning of a cassette tape. Start recording after allowing the tape to run for approx. 5 seconds so that the leader tape clears the recording head.
- Forwarding or reversing the cassette tapes before recording prevents damage to the unit caused by tape slack.

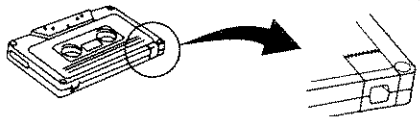
Do not use tapes longer than 90 minutes.
Since tapes longer than 90 minutes are so thin, they easily jam in the pinch roller and capstan, and they are susceptible to other trouble such as irregular winding. Try not to use them with this unit.

How can you prevent accidental erasure?

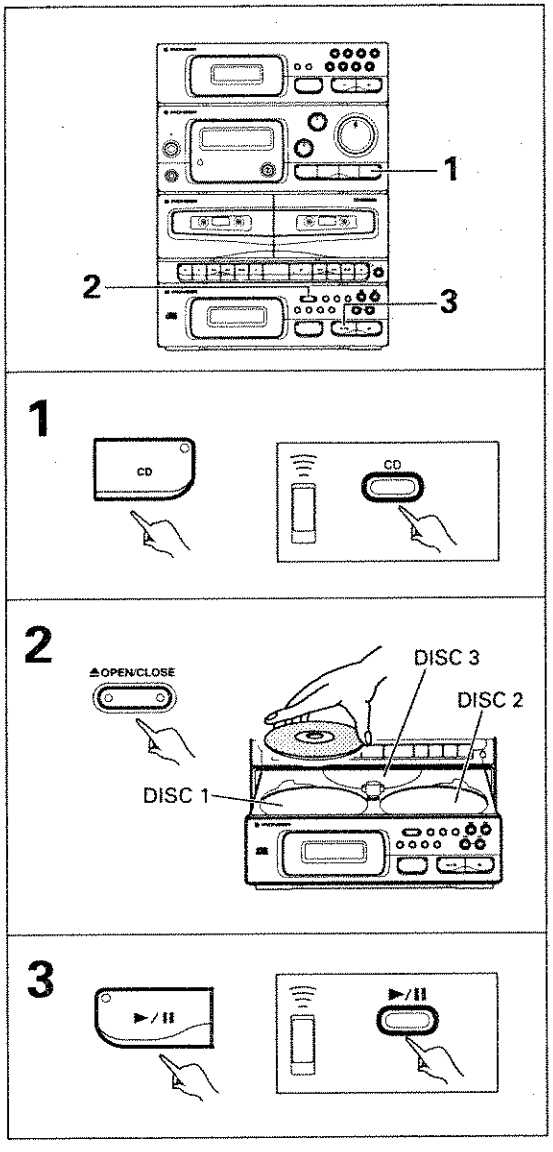
When the tab on the cassette shell is broken out with the tip of a screwdriver, it will not be possible to activate the recording function even by pressing the REC ● button, so valuable recordings will not be erased in error.



When you want to record again on a cassette with broken erasure prevention tabs, cover the hole with a double layer of adhesive tape.
With TYPE II (HIGH/Chrome) tape and TYPE IV (Metal) tape, be sure not to cover the tape-type detection holes.



LISTENING TO COMPACT DISCS



TO PLAY A COMPACT DISC

1. **Press the input selector CD button.**
2. **Press the OPEN/CLOSE button and load discs with their label surfaces facing up.**
   Insert a CD in the left tray, and this will be DISC 1. A CD placed in the right tray becomes DISC 2. The furthermost tray is DISC 3.
3. **Press ►/II.**
   The tray will rotate 120° clockwise and playback of DISC 1 will begin. ① flashes to indicate the playback of DISC 1, and the display shows the current track number and its elapsed playing time.
   When all the tracks have been played, the CD player stops.

NOTES:

- *If there are 3 discs on the tray when the power is turned on, the disc in the PLAY position will be "DISC 1", the disc in the left tray is "DISC 2" and the disc in the right tray is "DISC 3".*
- *Before playback of the DISC, press the OPEN/CLOSE ▲ button to close the tray.*

TO STOP PLAYBACK

Function	Buttons
To stop playback temporarily	►/II
To play back again	►/II
To stop playback	■

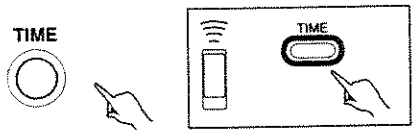
TO SEARCH FOR A PARTICULAR TRACK

Function	Buttons
To search for the beginning of a track	Press and release
To rapidly advance forward or backward (Main unit only)	Press and hold

Precautions during program play (p. 17):

- *Track search is performed only on those tracks which have been programmed.*
- *Manual search can be performed only on the track currently playing.*

TIME DISPLAY



During playback, pressing the TIME button changes the time display in the following sequence:

Ⓐ Number and elapsed time of currently playing track.

⬇

Ⓑ Number and remaining time of currently playing track.

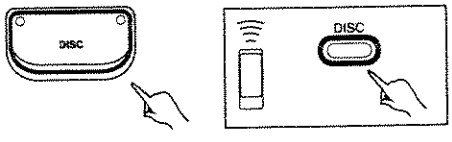
⬇

Ⓒ Remaining time of currently playing disc.

⬇

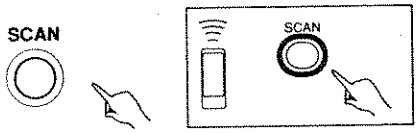
Return to Ⓐ again

SELECTING A DIFFERENT DISC DURING PLAY



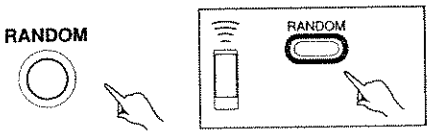
Play will begin from the beginning of the next disc.

INTRO SCAN



Press during play, or when the disc is stopped.
The first ten seconds of each track will be played in order. When you hear a track you wish to listen to, press the button once again to stop the scan and resume normal play at that track.

RANDOM PLAYBACK - TO PLAY ALL TRACKS IN RANDOM ORDER

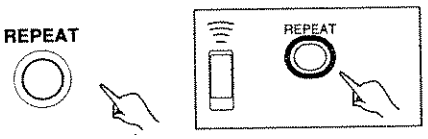


When the RANDOM button is pressed during playback or stop mode, all the tracks of the three CDs can be randomly played. (RANDOM will appear on the display).

- To exit random mode, press the RANDOM button.

NOTE:
During play you can use ⏭ to select another random track, or ⏮ to play the same track again.

TO REPEAT PLAYBACK (REPEAT PLAY)



During play, pressing the REPEAT button changes the repeat function in the following sequence:

Ⓐ Repeat of the currently playing track (REPEAT-1).

⬇

Ⓑ Repeat entire currently playing disc (REPEAT DISC).

⬇

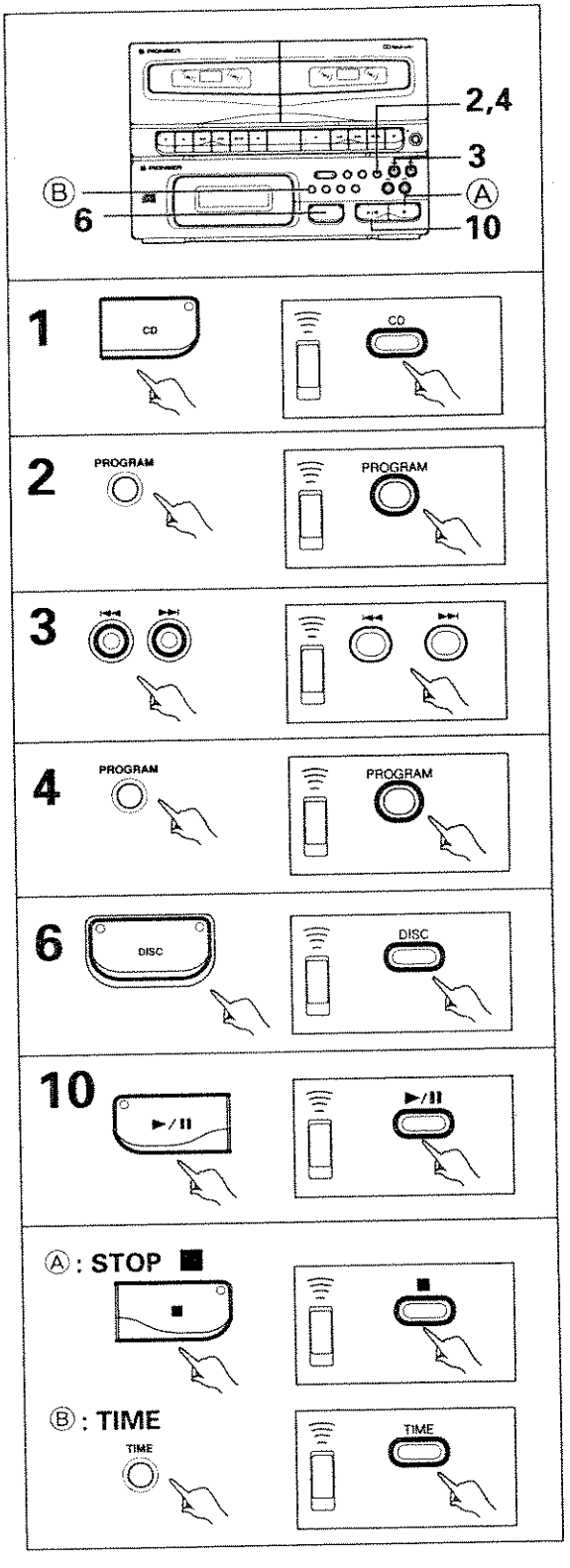
Ⓒ Repeat play of all discs loaded (REPEAT ALL DISC).

⬇

Repeat function OFF

During random playback and programmed playback, the function changes in the order REPEAT-1 → REPEAT ALL → OFF

TO PLAY ONLY DESIRED TRACKS ON CD



PROGRAM PLAYBACK - TO PROGRAM TRACKS IN DESIRED ORDER

Place the first disc to be programmed in the left tray.

1. **Press the input selector CD button.**
2. **Press the PROGRAM button.**
   DISC ① flashes, and the display will show "PROGRAM" and 0P–01.
3. **Press ⏮ or ⏭.**
   So that the desired track number appears on the display.
4. **Press the PROGRAM button.**
5. **Repeat steps 3 and 4, to program all desired tracks from DISC 1.**
   Up to 32 steps can be programmed.
   If you exceed the maximum of 32 tracks, "FULL" will appear in the display.
6. **Press the DISC button.**
   DISC 1 will move to the play position but playback will not start.
   DISC ② flashes. Place the second disc in the left tray and the third disc in the right tray.
7. **Repeat the same steps as for DISC 1 to program DISC 2.**
8. **After programming tracks from DISC 2, press the DISC button again.**
   The tray will not rotate, but DISC ③ indication will begin to flash.
9. **Since the disc on the right side is the third disc, follow the same procedures used for DISC 1 and DISC 2 to program DISC 3.**
10. **Press ►/II.**
    Play starts with the first track of the program.

Ⓐ **To stop Program playback, press ■.**
"PROGRAM" disappears on the display but the program still remains in the memory. To start program playback again, press the PROGRAM button ("PROGRAM" appears on the display) then press ►/II to start.

Ⓑ **Reviewing the program**
In program mode ("PROGRAM" appears in the display) and in stop mode, press the TIME button and hold. The review of the tracks currently programmed will begin.

TO CLEAR ALL OF THE PROGRAM CONTENTS

Perform either of the following procedures ① or ②.

① **Press ■ and the PROGRAM button at the same time.**

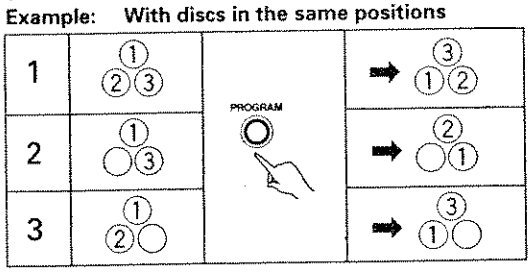
② **Confirm that the CD player is stopped, then press the remote control unit's CLEAR button. When a program is cleared, the disc numbers are also cleared.**

TO PLAY ONLY DESIRED TRACKS ON CD

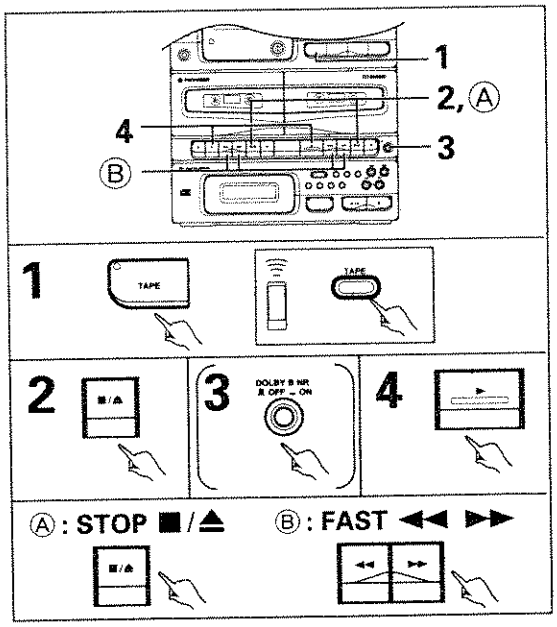
Designating Disc Numbers for Programmed Play

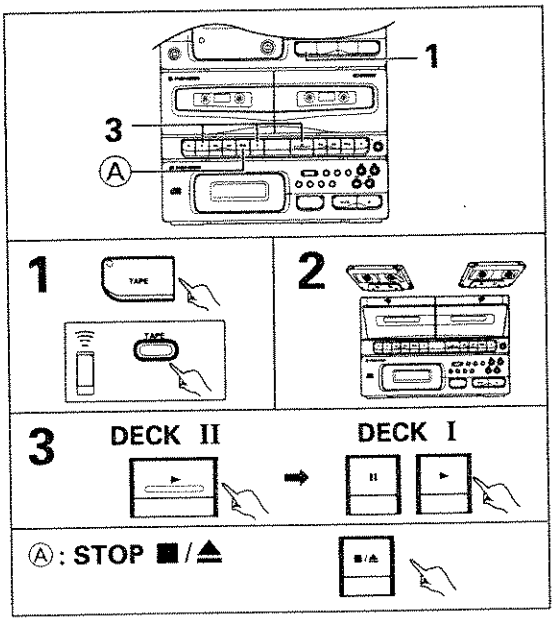
In the case of programmed play, "Disc 1" is considered to be the disc set in the "next play" position. If a disc is already loaded into the left-hand tray and the PROGRAM button is pressed, it becomes "Disc 1", with the other discs being numbered counter-clockwise "Disc 2" and "Disc 3" (see example 1). If no disc is loaded in the left-hand tray, the right-hand disc tray is considered "Disc 1" (see example 2).

Example: With discs in the same positions



(○ indicates no disc loaded).





PLAYING TAPES

BASIC OPERATION

- Tapes may be played back in DECK I or DECK II but not in both decks at the same time.

1. **Press the input selector TAPE button.**
2. **Press ■/⏏ and load a recorded tape, then push in the cassette door until it locks.**
3. **Set DOLBY NR to the same position used for recording. (U.S. and Canadian models only)**
4. **Press ► to start playback.**

Ⓐ To stop playback, press ■/⏏.
Ⓑ To fast forward or rewind, press ►► or ◄◄.

NOTE:
If the power is switched off while the tape is running, you may not be able to open the door. In this case, switch on the power again and press ■/⏏ once more.

Auto Stop Mechanism
This mechanism automatically stops the tape when the end of the tape is reached during fast forward or reverse (◄◄ or ►►).

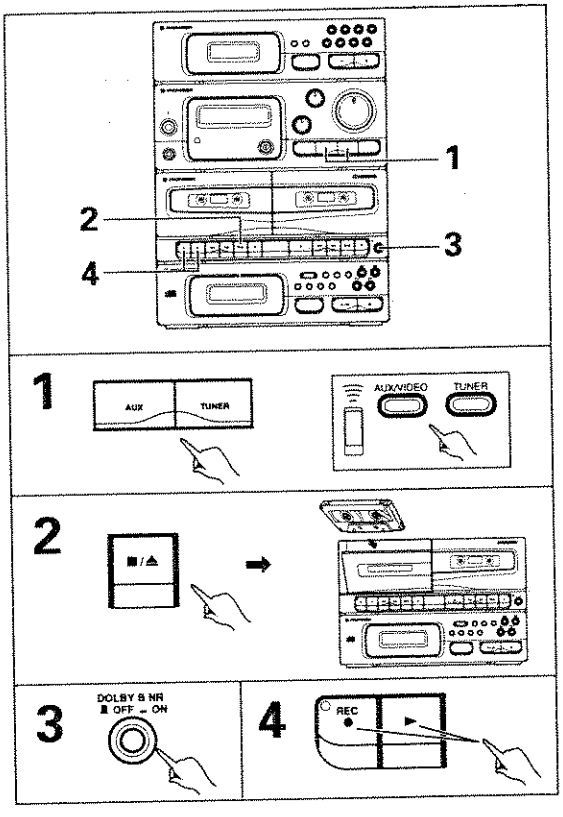
CONTINUOUS PLAYBACK OF TWO CASSETTES

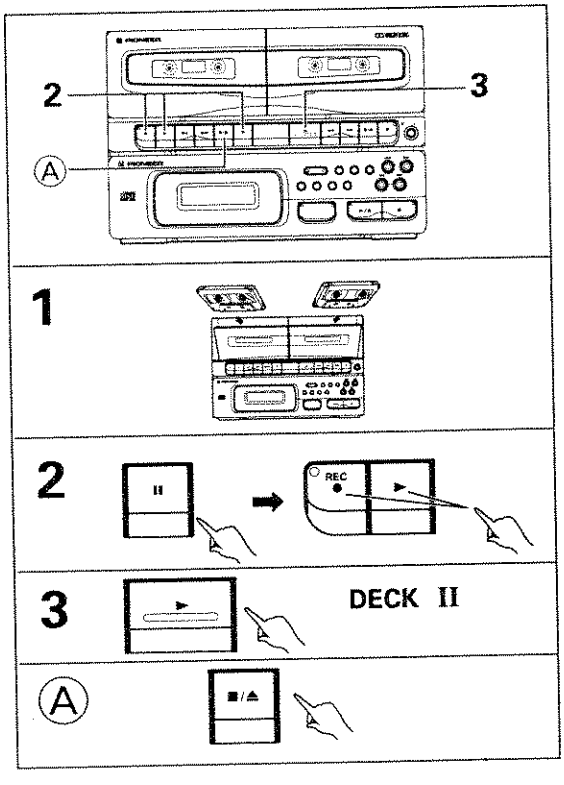
Continuous playback begins from DECK II and continues on DECKI.

1. **Press the input selector TAPE button.**
2. **Load a recorded tape in DECK II and DECK I.**
3. **First press ► on DECK II, on DECK I press II followed by ►.**
   Playback begins with DECK II.
   Playback stops when the tape in DECK II reaches the end.
   The pause button will be automatically released and playback continues with DECK I.

Ⓐ To stop playback, press ■/⏏.

RECORDING





RECORDING ON TAPE

- Material can be recorded on DECK I only. Recording is not possible on DECK II.
- Recording is possible only in the ► direction. After you have completed recording one side of the tape in the ► direction, take out the tape, turn it over and reinsert it to record on the other side.
- Use only Type I (Normal) tapes for recording.
- See page 20 for special details regarding how to record Compact Discs onto cassette tape.

1. **Press the input selector TUNER button or AUX button to select sound source.**
2. **Load the tape for recording into DECK I.**
3. **Set DOLBY NR to the desired position. (U.S. and Canadian models only)**
4. **Press the RECORD ● and ► buttons simultaneously to start the recording; when the tape reaches its end, the tape stops.**

NOTES:

- *To interrupt recording, press* **II**.
  To continue recording, press **II** *again.*
- *Press* **■/⏏** *if you want to stop the recording before the end of the tape.*
- *If you press the RECORD ● button only, the ► button will be pressed automatically.*

COPYING A TAPE

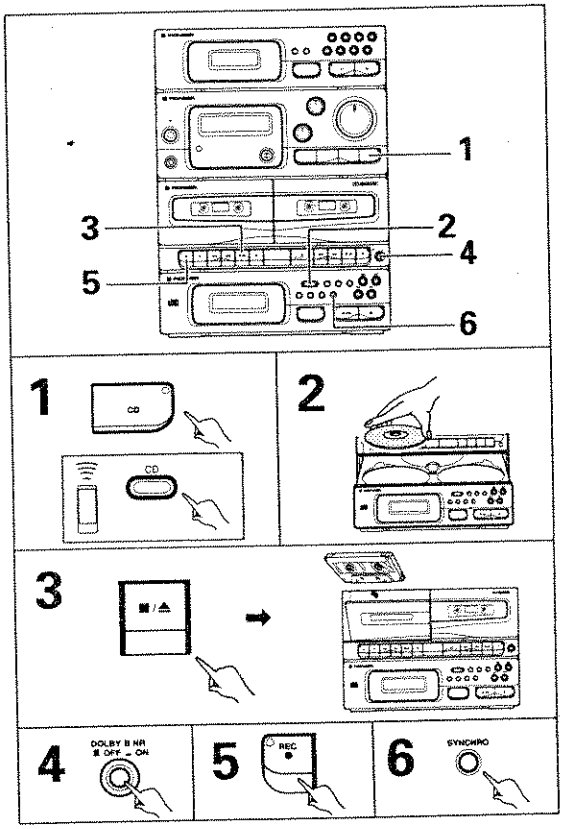
While copying a tape, you can listen to another sound source if you want, so it is not necessary to place the unit in TAPE mode.

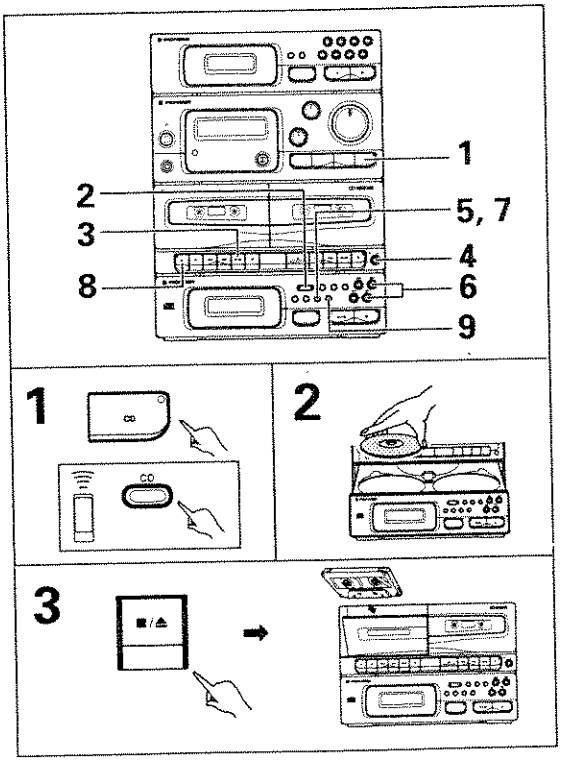
1. **Load the recorded tape into DECK II and the tape for recording into DECK I.**
   - Wind the tape forward past the leader to the start of the magnetic coated portion.
2. **Press II on Deck I, then press the RECORD ● and ► buttons simultaneously to start the copying.**
3. **Press ► on DECK II to start the copying.**

NOTES:

- *The* **II** *on DECK I will automatically be released.*
- *When the tapes reach the end, copying stops.*
- *The RECORD ● and ► buttons will automatically be released.*
- *If you want to copy the other side of the tape, flip both tapes over to continue copying.*

Ⓐ **To stop the copying, press ■/⏏ on both decks.**





RECORD CD ON CASSETTE TAPE

1. **Press the input selector CD button.**
2. **Press the OPEN/CLOSE ≙ button to open the tray. Insert a disc into the left tray.**
   Press the DISC button to move the disc to play position. (see pages 15 and 16)
   If there are 3 discs, play will start automatically.
3. **Load the tape for recording into DECK I.**
4. **Set DOLBY NR to the desired position. (U.S. and Canadian models only)**
5. **Press the RECORD ● button and DECK I goes into RECORD-PAUSE mode.**
6. **Press the SYNCHRO button to start recording.**

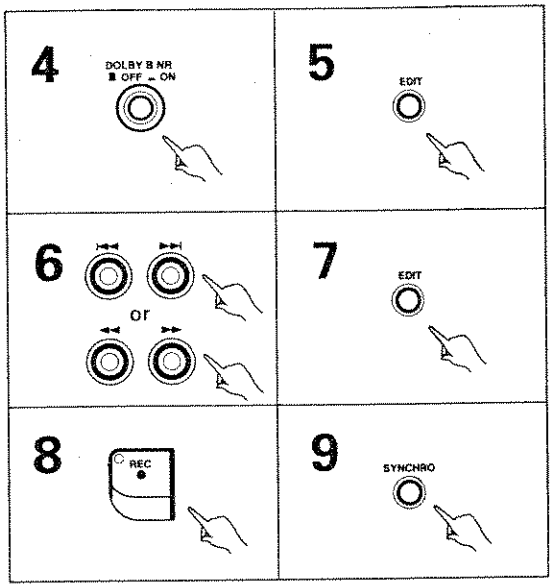
NOTE:

- *If you press the ►/II instead of SYNCHRO, CD will start to play but the recording will not be activated.*
- *When recording a CD onto tape, be sure to follow the above steps 1-5. If the CD playback is begun before Deck I is set to the recording mode, Deck I will enter the record pause mode, thus preventing the tape from recording the CD.*

EDIT RECORDING

With Edit features, you can designate the recording time of your tape, and then the unit automatically selects tracks from a single disc that can be recorded within the designated recording time.
The selected tracks are then edit recorded onto one side of a tape at a time (side A and side B).

1. **Press the input selector CD button.**
2. **Press the OPEN/CLOSE ≙ button to open the tray. Insert a disc into the left tray.**
   Press the DISC button to move the disc to play position. (see pages 15 and 16)
3. **Load the tape for recording into DECK I.**
4. **Set DOLBY NR to the desired position. (U.S. and Canadian models only)**
5. **Press the EDIT button.**
   The display shows EDIT and the tape length "46" minutes.
6. **Use ⏮ ⏭ to find the appropriate tape length (see below) or ◄◄ ►► to adjust the time from 1 minute to 99 minutes.**
   46 ↔ 54 ↔ 60 ↔ 90
7. **Press the EDIT button again.**
   "A" and the play time will appear on the display.
8. **Press the RECORD ● button and DECK I goes into RECORD-PAUSE mode.**
9. **Press the SYNCHRO button to start EDIT recording.**
   When recording for side A is finished, both the CD and tape stop.
   The display shows 'b' and its edit time.
   Flip the cassette tape over and press the SYNCHRO button.



To stop EDIT during recording:
Press DECK ■/⏏ or press the CD ■.

NOTE:
- *The edit function always starts with the first track on the CD.*
- *CD will start to play after an 8 sec pause in EDIT mode, so that the recording will not be interrupted by the leader tape on tape sides A and B.*

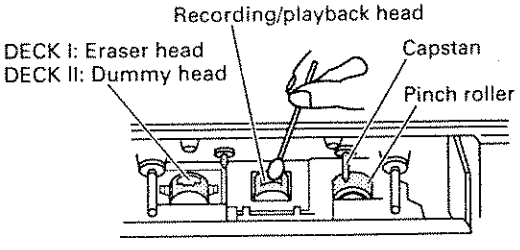
To record a CD onto tape without using the edit function:
- **To record from the disc's first track:**
  Perform steps 1-4, 8, and 9.
- **To begin recording from a track other than the first track on the disc:**
  Perform steps 1-4 and 8, then use the ⏮, ⏭ buttons to select the track from which you wish to begin recording; finally, perform step 9.
- **To record a programmed play:**
  Perform steps 1-4 and 8, then program the tracks you wish to record (see P. 17); finally, perform step 9.

MAINTENANCE

CLEANING THE HEAD SECTION

The heads, capstans and pinch rollers are parts which are liable to become dirty quite easily. In particular, if the heads are dirty, the high frequency components of the sound will not be reproduced and the stereo balance will be impaired, resulting in a deterioration of sound quality. It is therefore recommended that the head section be cleaned regularly.

1. Turn the power off.
2. Press the stop/eject (■/⏏) button to open the cassette door.
3. Dip a cleaning swab into head cleaning fluid and use it to wipe the head, capstan, and pinch rollers. Wait 2-3 minutes until the cleaning fluid dries.



DEMAGNETIZING THE CASSETTE DECK HEADS

The deck heads may become magnetized after the deck has been used for a long period of time, or if a magnet or other magnetized object (screwdriver, etc.) is brought near the heads. Magnetization of the heads results in increased noise and reduced ability to reproduce high-frequency sounds.
In this case, please use a commercially available head demagnetizer at regular intervals to eliminate the magnetic field on the heads. When using a head demagnetizer, turn this unit's power switch ON. In order to prevent adverse effects on the receiver and speakers, however, **be sure to turn down the receiver's volume control to its lowest position,** and disconnect any headphones from their headphones jack. For details, consult the instructions accompanying your head demagnetizer.

MAINTENANCE OF EXTERNAL SURFACES

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays or other chemicals on or near this unit, since these will corrode the surfaces.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

General

Symptom	Cause	Remedy
There is no power.	• AC cord is unplugged.	• Plug power cord into wall socket.
No sound from speakers.	• Volume is turned all the way down. • Speaker cords are disconnected. • Speaker cords are connected with vinyl insulation still on. • Function is not set to the desired listening source. • The MUTE button on the remote control unit has been pressed.	• Raise volume setting. • Connect speaker cords correctly. • Strip vinyl insulation from speaker wire tips before connecting. • Select correct function. • Press the MUTE button again.
Sound from only one speaker	• One of the speaker cords is disconnected or damaged.	• Connect correctly or replace with new cord.
Strange sounds heard (or recorded from) tape, CD or radio.	• TV is on. • The unit is too close to TV.	• Turn off TV. • Move TV away until interference stops.

Tuner

No AM reception.	• Function not set to TUNER. • Loop antenna not connected. • Wrong radio band. • Station not tuned in.	• Set to TUNER. • Connect Loop antenna correctly. • Set to desired radio band. • Tune in station.
Beat noise heard.	• TV is on. • Loop antenna not positioned properly.	• Turn off TV or move TV away. • Change loop antenna position.
Noise heard.	• Interference from nearby fluorescent light, hair dryer, or other electrical appliance.	• Stop using device causing interference.
Sound is distorted.	• Antenna in poor position. • Broadcast is weak. • Interference from other electrical devices or multipath reception.	• Change antenna position. • Use external antenna. • Change antenna position.
There is no stereo sound.	• Function not set to TUNER. • Broadcast signal is weak, antenna input is insufficient. • The MONO button is turned on.	• Set to TUNER. • Change to a multielement external antenna. • Press the MONO button.

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CD player

When playback is started, it stops immediately. Pauses or stops during playback.	• Disc is loaded upside down. • Dirt, etc., on the disc.	• Load the disc correctly with the label side UP. • Clean the dirt from the disc and then play it again.
No sound	• Function not set to CD. • Player is in pause mode.	• Set to CD. • Press the play/pause (▶/II) button.
With certain discs, loud noise is produced, or play stops.	• Disc has bad scratch or warp. • Disc is extremely dirty.	• Replace the disc. • Clean the disc.

Cassette tape deck

Cassette door does not open. **Cassette door does not close.**	• Deck has not stopped. • Power was switched off while tape was running. • Cassette tape is incorrectly loaded.	• Press the stop/eject (■/⏏) button. • Switch on power again. • Reload the cassette tape correctly.
Tape does not move.	• Deck is in pause mode. • Cassette inserted incorrectly.	• Press the pause (II) button. • Put cassette in holder properly.
No sound heard from tape.	• Function not set to TAPE. • Playing unrecorded tape.	• Set to TAPE. • Play a recorded tape.
Cannot record	• Erasure prevention tabs are broken off. • Dirty head.	• Apply adhesive tape over tab holes. • Clean head.
Previously recorded sounds remain.	• Dirty head.	• Clean head.
Cannot copy tape.	• One deck has no tape loaded. • Tape in DECK I has erasure prevention tabs broken off.	• Load tapes in both decks. • Use cassette that can be recorded on, or apply adhesive tape over tab holes.
Sound is muffled and unclear.	• Dirty head.	• Clean head.

Remote control unit

Remote control does not work.	• Function has not been selected properly. • Batteries are dead or no batteries in remote control unit. • Poor angle or too great a distance from the remote sensor window. • There is an obstacle between you and the remote sensor window. • A fluorescent light is shining on the remote sensor window.	• Select the component you wish to operate. • Insert new batteries. • Use within 7 meters (23 feet) and within a 30 degree angle of the remote sensor window. • Change your position or move the obstacle. • Turn off the light.

Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.

SPECIFICATIONS

STEREO DECK CD RECEIVER: XR-P240C

Amplifier section

<U.S. and Canadian models>

Continuous Average Power Output is 25 Watts* per channel, min., at 8 ohms from 80 Hertz to 15,000 Hertz with no more than 1 % total harmonic distortion.**

Continuous Power Output (RMS)..... 30 W + 30 W
(1 kHz, T.H.D. 10%, 8 Ω)

<U.K. and Australian models>

Continuous Power output (DIN)
.....18 W+18 W (1 kHz, T.H.D. 1%, 8 Ω)
Continuous Power output (RMS)
.....20 W+20 W (1 kHz, T.H.D. 10%, 8 Ω)

FM/AM tuner section

FM Tuner Section

Frequency Range
U.S., Canadian and Australian models
..... 87.9–108.0 MHz
U.K. model ..... 87.5–108.0 MHz
Antenna Input..... 75 ohms unbalanced

AM Tuner Section

Frequency Range
With 10 kHz step..... 530 kHz to 1,720 kHz
With 9 kHz step..... 522 kHz to 1,611 kHz
(U.K. model) ..... 531 kHz to 1,602 kHz
Antenna ..... Loop Antenna

CD Section

Type ..... Compact disc digital audio system
Wow and Flutter ..... Limit of measurement
(±0.001% W.PEAK) or less (EIAJ)

Cassette deck section

Systems ..... 4 track, 2-channel stereo
Heads..... Recording/playback head × 1
Playback head × 1
Erasing head × 1
Motor ..... DC servo motor × 1
Tape type..... TYPE I (Normal) tape

Miscellaneous

Power Requirements
U.K. and Australian models ..... AC 240 V, 50/60 Hz
U.S. and Canadian model ..... AC 120 V, 60 Hz
Power Consumption
U.K. and Australian models ..... 110 W
U.S. and Canadian models..... 65 W
Dimensions ..... 280 (W) × 377 (H) × 334 (D) mm
11 (W) × 14-13/16 (H) × 13-1/8 (D) in
Weight (without package)
U.K. and Australian models..... 8.5 kg
U.S. and Canadian models..... 8.9 kg (19 lb 10oz)

Accessories

Operating Instructions 1
Remote Control Unit 1
Dry Cell Batteries (R6P/AA)..... 2
FM Antenna..... 1
AM Loop Antenna 1

SPEAKER SYSTEM: S-P240

Enclosure..... Book-shelf style, bass reflex type
System..... 2-way 2-speaker system
Loudspeakers:
Woofer..... 13 cm (5 in.) cone type
Tweeter ..... 5.2 cm (2 in.) cone type
Nominal Impedance ..... 8 Ω
Dimensions ..... 190 (W) × 380 (H) × 201 (D) mm
7-1/2 (W) × 14-15/16 (H) × 7-15/16 (D) in.
Weight..... 3.0 kg (6 lb 10 oz)

* Measured pursuant to the Federal Trade Commissions's Trade Regulation rule on Power Output Claims for Amplifier.
** Measured by audio spectrum analyzer.

NOTE:
Specifications and design subject to possible modifications without notice, due to improvements.

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